

AB-PK695

MARK1-pT215 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase MARK1



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	MAP/microtubule affinity-regulating protein-serine kinase 1
Alias:	ELKL motif kinase 1; EMK; EMK1; Kinase MARK2; MAP/microtubule affinity-regulating kinase 2; MGC99619; PAR-1; Par1b; PAR-1b; Serine/threonine kinase
UniProt ID:	Q9P0L2
Sequence Predicted Mass (kDa):	89.003 (795 AA; Q9P0L2); 84.911 (758 AA; Q9P0L2-3); 72.073 (645 AA; Q9P0L2-2)
Observed SDS-PAGE Mass (kDa):	85-90

Immunogen

Antibody Immunogen Source:	Human MARK1 sequence peptide Cat. No.: PE-04ANQ95
Antibody Immunogen Sequence:	KLD(pT)FCG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues N211 to F216; In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. This is the major in vivo phosphosite in MARK1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-215

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150305
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	High-very high selectivity

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)